



Churchill

TECHNOLOGIES

Engineering & Automation Solutions

OUR CORE SERVICES

- Automatic Assembly Machines and Tooling
- Automated Assembly Cells Design, Build and Project Management
- Machine Vision Process Verification
- Modular Conveyor Systems
- Precision Gauging Systems
- Servo/CNC Drilling and Sawing
- Solidworks 3D Design
- ePlan Electrical Design

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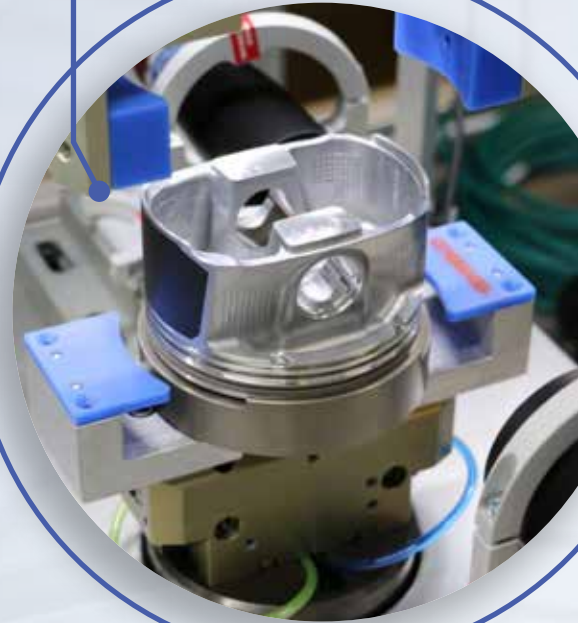
TECHNOLOGIES

Engineering & Automation Solutions

A premier automation manufacturing company paired with engineering expertise, focusing on robotics and systems integration for volume production in the automotive, marine, trucking, and manufacturing industries.

Machine vision Process verification

- Assembly verification using machine vision
- Cognex
- Keyence
- Servo rotary actuation
- Precise location of components for the verification



Automated Assembly cells design, build and project management

- Integration of six- and seven-axis robots
- Vision guidance
- Equipment conforms to and is supported by ANSI Risk Assessment
- Integrated conveyor systems using RFID tracking
- Fully interlocked safety



Precision gaging systems

- Multi-station systems for complete end-of-line gaging and verification
- Includes data logging and recording
- Laser marking
- Bar code scanning
- Part traceability



Automatic Assembly Machines and Tooling

- Assembly of six individual components
- Cycle time - seven seconds
- Mitsubishi control
- Servo motion on four axes - linear and rotary
- Cognex vision - four cameras for assembly verification
- Input and output integrated conveyor system

Modular conveyor systems

- Component transfer between assembly machines
- Fully integrated RFID
- Standard and custom, pallet-based
- Bosch
- SKF Flexlink



Modular Assembly Tooling

- Quick-change modular tooling system
- Typical part number change in less than 10 minutes
- Facilitates minimum downtime between machine changeover
- Facilitates improved maintenance and troubleshooting



Radial Drilling and Sawing

- Multi-spindle drilling machine
- PLC or CNC controlled platforms
- Robot loaded to an indexer, providing higher production throughput
- Six axes of servo motion



customers



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Huizenga Group Manufacturing Partner

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